



MODEL BENTLEY MARK VI

FOR INFORMATION:

PREPARATION FOR SERVICE AFTER SHIPMENT.

Bentley Mark VI cars prepared for shipment are protected against deterioration in transport in the following manner:-

The engine and gearbox are drained, and a small quantity of mineral oil, insufficient for running purposes, is run into the working parts of both as a protection against corrosion. The cylinder bores are treated with inhibitor and there is no need to prime the cylinders with oil before starting the engine. The rear axle is filled with the recommended grade of lubricant, Wakefield's Special Hi-Press S/C, and requires no attention beyond checking to ensure that the level is still correct.

To prevent the clutch lining fabric adhering to the friction faces the clutch is held in the disengaged position by a wooden block. The engine breather, air silencer and exhaust pipe are blanked off, and an uncharged battery is fitted. In special cases where a fully charged battery is fitted, the terminals are disconnected.

The following procedure is recommended for putting the car into service:-

1. Before Starting the Engine:

- (a) Fill engine and gearbox with one of the recommended oils which are as follows:-

| | <u>Engine.</u> (Visc.SAE 20) | <u>Gearbox.</u> (Visc. SAE 30) |
|----------------------------|---------------------------------|-----------------------------------|
| Price's Motorine..... | E. | M. |
| Wakefield's Castrol..... | Castrolite. | XL. |
| Vacuum-Mobiloil..... | Arctic. | A. |
| Shell..... | Single. | Double. |
| Duckham's Adcoildised..... | N.P.X. | N.P.XX. |
| Essolube..... | 20 | 30 |
| Silvertown Speedolene..... | 20 | T. |

The capacity of the engine is 16 pints (9.1 litres) and the gearbox 6 pints (3.4 litres).

- (b) Check rear axle oil level.
- (c) Remove block holding clutch out.
- (d) Remove protecting covers from engine breather, air silencer and exhaust pipe.
- (e) Fill radiator with suitable coolant (See Instruction Book)
- (f) Fit charged battery if necessary.

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2. Starting and Running Engine:

Start engine in normal way. Run engine slowly until maximum oil pressure is being recorded on the gauge. Open throttle (using throttle lever on quadrant) until the engine is running at approximately 800 revs per minute. This speed is obtained by placing the throttle lever approximately one third up the quadrant from the closed position.

3. Driving:

Take car on the road and work up the engine very slowly from slow running conditions to full power. The longer the time taken and the greater the care with this operation, the better it will be for the future satisfactory running of the car.

Lack of proper attention when first putting the car into commission, e.g. immediately starting up and driving away from the docks, may cause considerable trouble at a later date. With such treatment, the lubrication is inefficient, working parts distort, piston knocks develop, with generally unsatisfactory running and possibly over-heating and over-oiling.